



IN THE U.S. PATENT AND TRADEMARK OFFICE

In re patent application of

Tanaka

Serial No.: 09/974,793

Group Art Unit: 2661

Filed: October 12, 2001

Examiner: Not Assigned

For: SCHEDULING SYSTEM AND SCHEDULING METHOD FOR THE SAME

Assistant Commissioner for Patents
Washington, D.C. 20231

SUBMISSION OF FORMAL DRAWINGS

Sir:

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Submitted herewith are sixteen (16) sheets of formal drawings comprising sixteen (16) figures for the above-identified patent application. Please substitute these drawings for the ones originally submitted.

Respectfully submitted,

Michael E. Whitham
Reg. No. 32,635

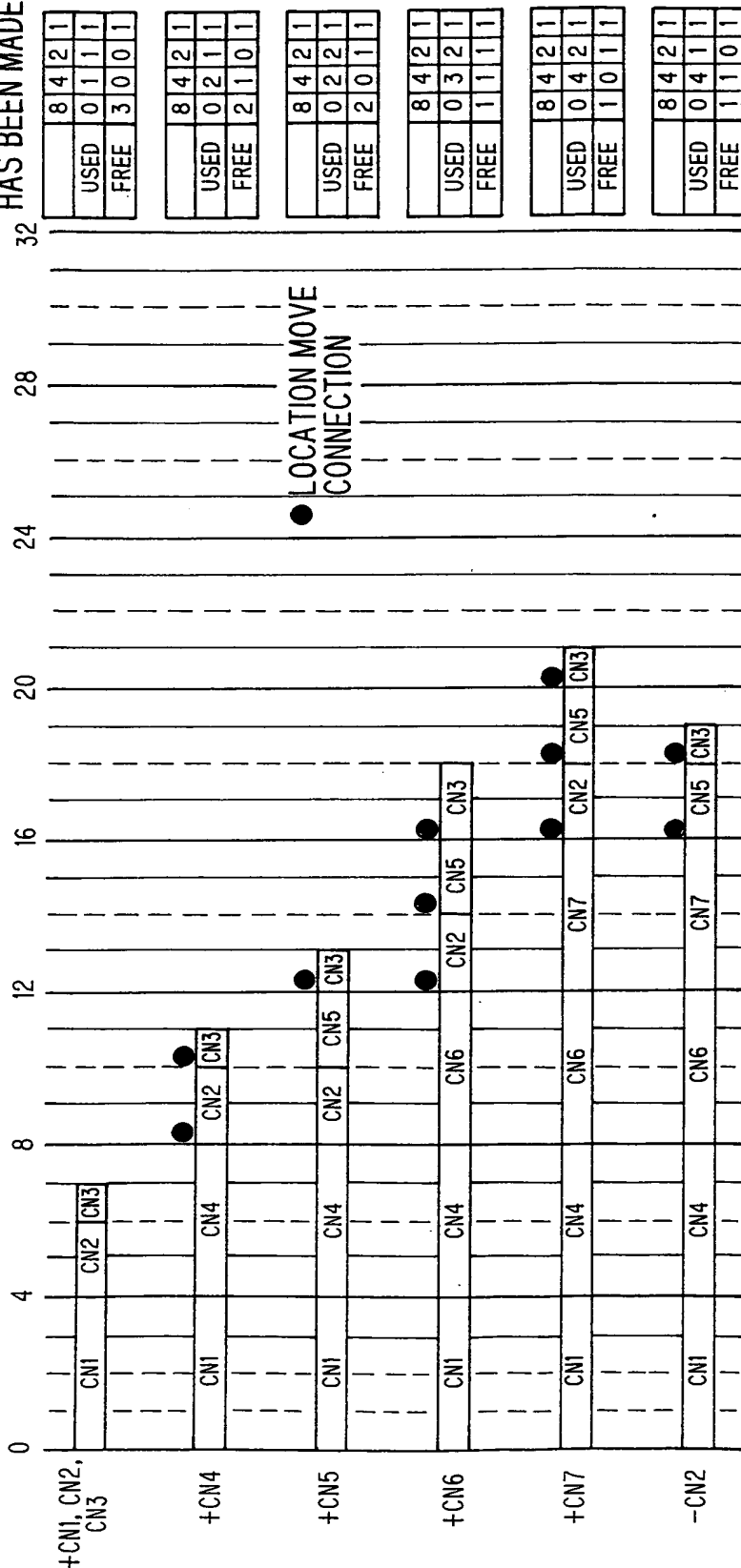


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PATENT TRADEMARK OFFICE

FIG. 1 PRIOR ART

TABLE IN WHICH
CONVERSION AS
PCR VALUES
HAS BEEN MADE



TEN : TOTAL NUMBER OF ENTRIES
FREE : IDLE AREA
USED : USED AREA
CN : CONNECTION

TEN (=32)

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FIG.2 PRIOR ART

IF TABLE LENGTH IS 16, BINARY NUMERAL OF $\log_2 (16) = 4$ DIGITS IS POSSIBLE

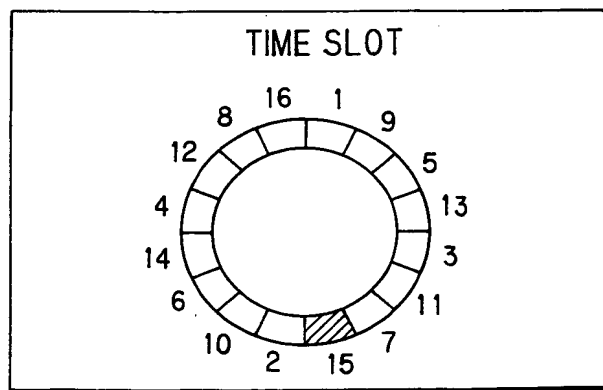
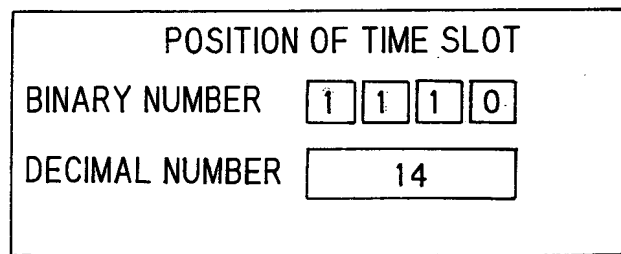
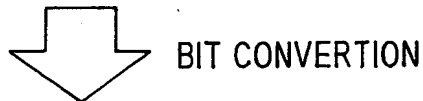
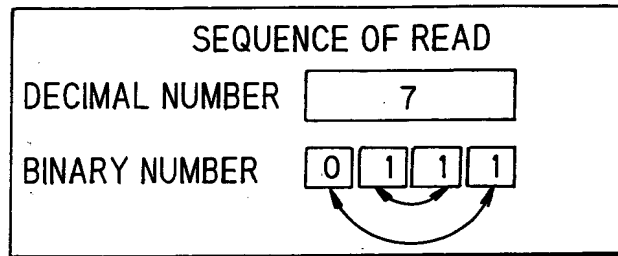
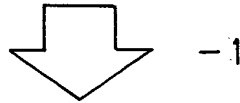
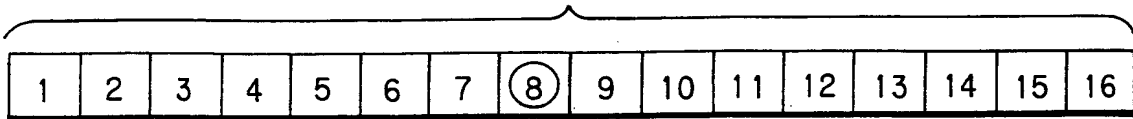


FIG. 3 PRIOR ART

-1 REARRANGEMENT +1

MANAGEMENT TABLE	(DECIMAL)	(BINARY)	(BINARY)	(DECIMAL)	POSITION OF TIME SLOT
1	0	0 0 0 0	0 0 0 0	0	1
2	1	0 0 0 1	1 0 0 0	8	9
3	2	0 0 1 0	0 1 0 0	4	5
4	3	0 0 1 1	1 1 0 0	12	13
5	4	0 1 0 0	0 0 1 0	2	3
6	5	0 1 0 1	1 0 1 0	10	11
7	6	0 1 1 0	0 1 1 0	6	7
8	7	0 1 1 1	1 1 1 0	14	15
9	8	1 0 0 0	0 0 0 1	1	2
10	9	1 0 0 1	1 0 0 1	9	10
11	10	1 0 1 0	0 1 0 1	5	6
12	11	1 0 1 1	1 1 0 1	13	14
13	12	1 1 0 0	0 0 1 1	3	4
14	13	1 1 0 1	1 0 1 1	11	12
15	14	1 1 1 0	0 1 1 1	7	8
16	15	1 1 1 1	1 1 1 1	15	16

FIG. 4 PRIOR ART

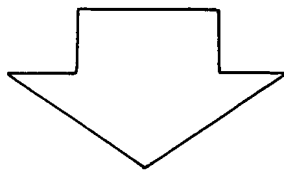
CELL READ SEQUENCE MANAGEMENT TABLE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

A

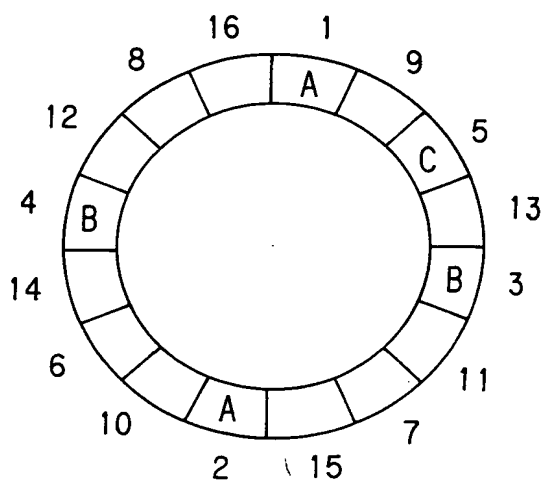
B

C

$$\begin{pmatrix} A(PCR=2) \\ B(PCR=2) \\ C(PCR=1) \end{pmatrix}$$


CONVERSION

TIME SLOT

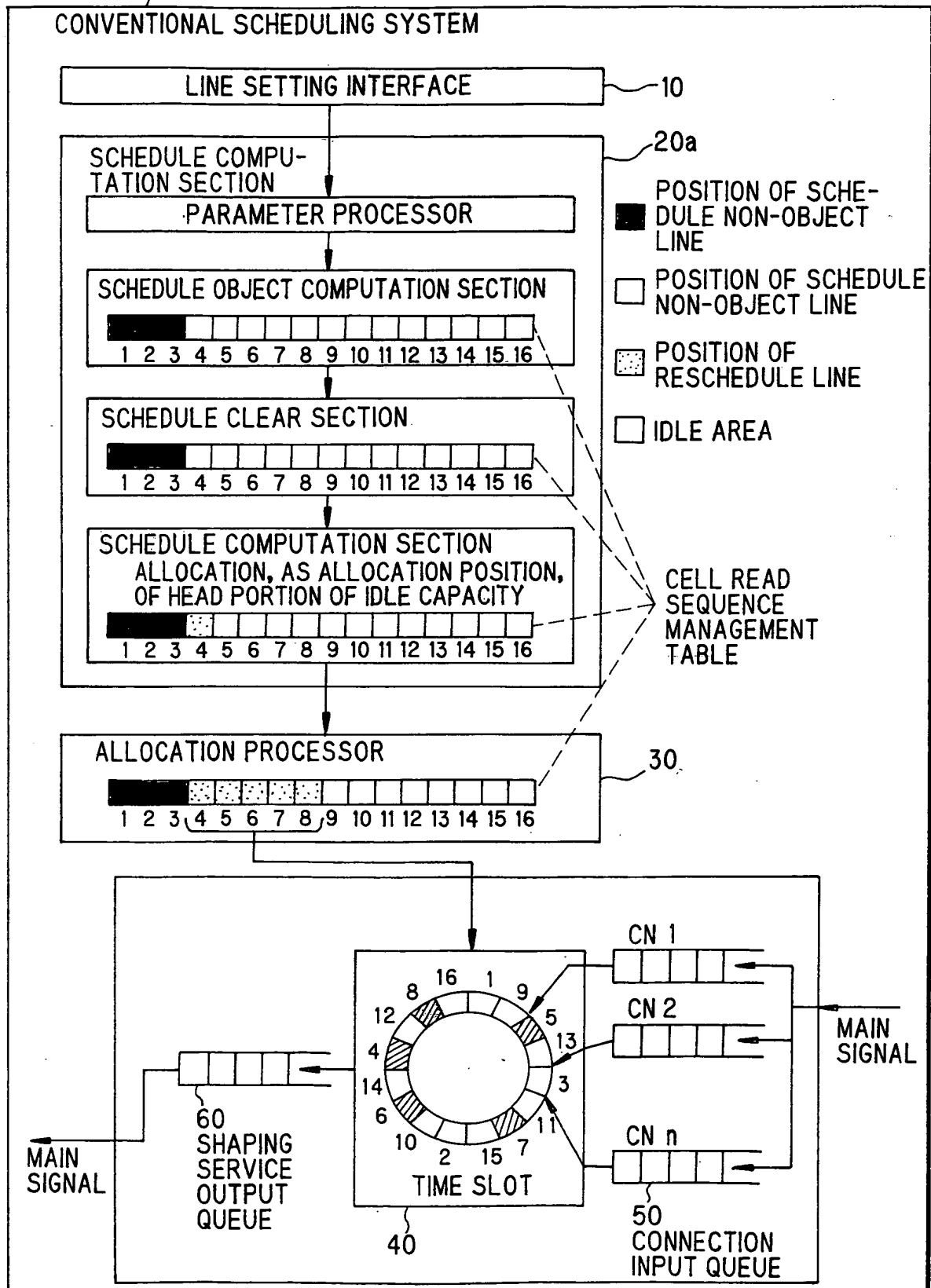


A, B, C : ATM LINE

FIG.5 PRIOR ART

CELL READ SEQUENCE MANAGEMENT TABLE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
C		A			B										
$\left(\begin{array}{l} A \{ PCR=2 \} \\ B \{ PCR=2 \} \\ C \{ PCR=.1 \} \end{array} \right)$															

FIG. 6 PRIOR ART

100

SCHEDULING SYSTEM OF PREFERRED EMBODIMENT OF INVENTION

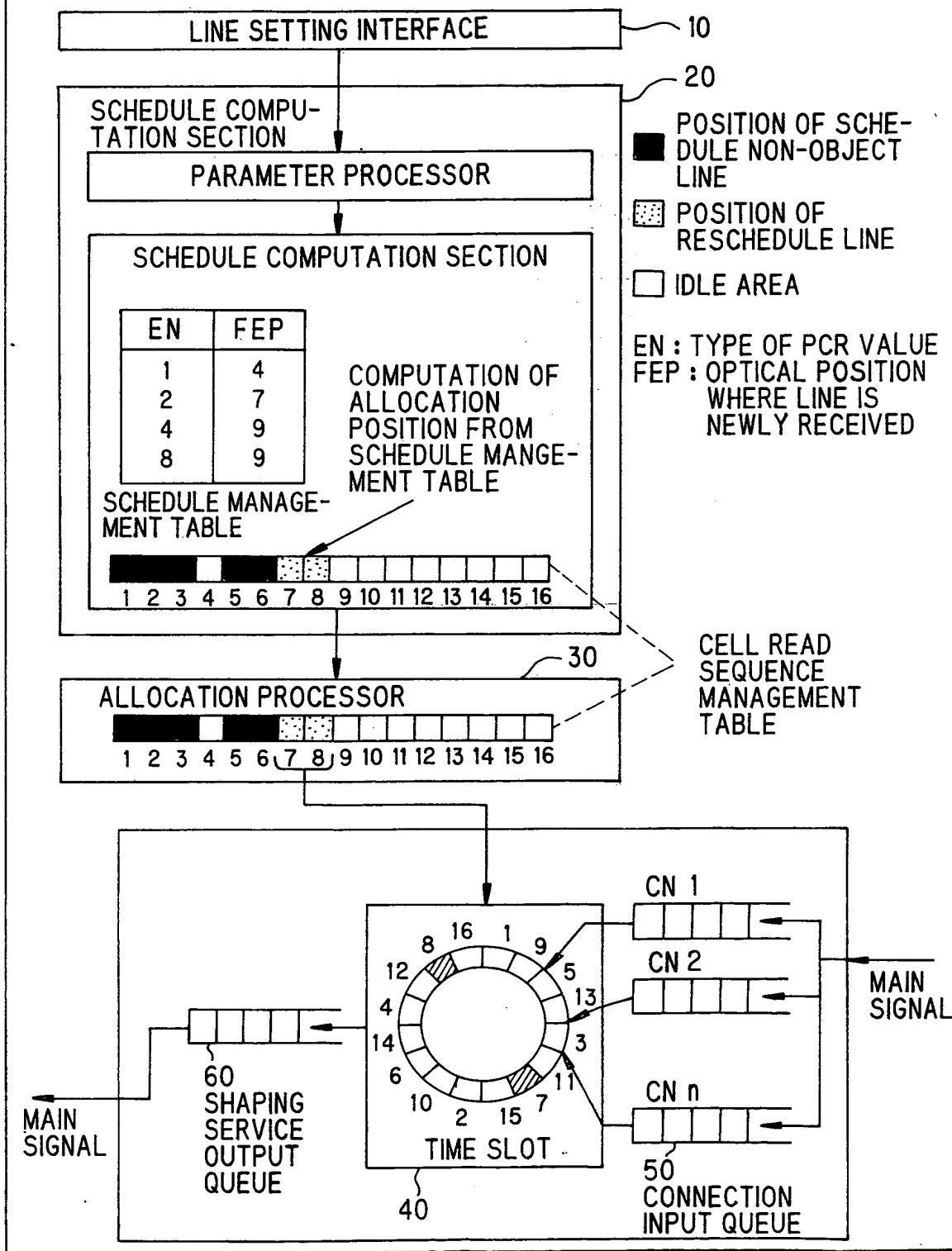
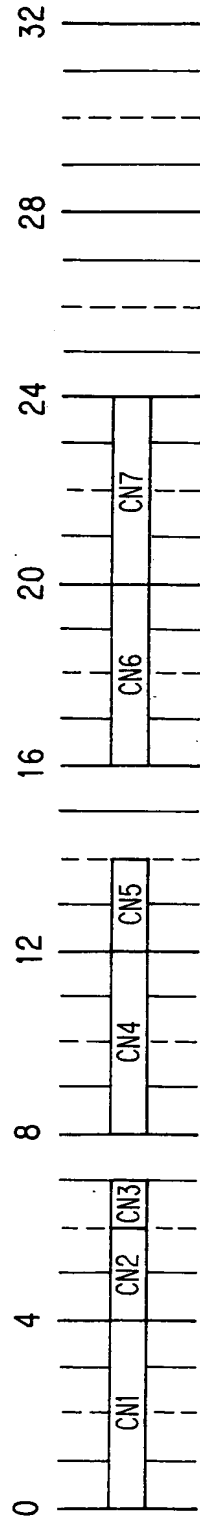


FIG. 8



$\left\{ \begin{array}{l} \text{TEN} = 32 \\ \text{TUEN} = 21 \\ \text{TUEB} = 24 \end{array} \right.$



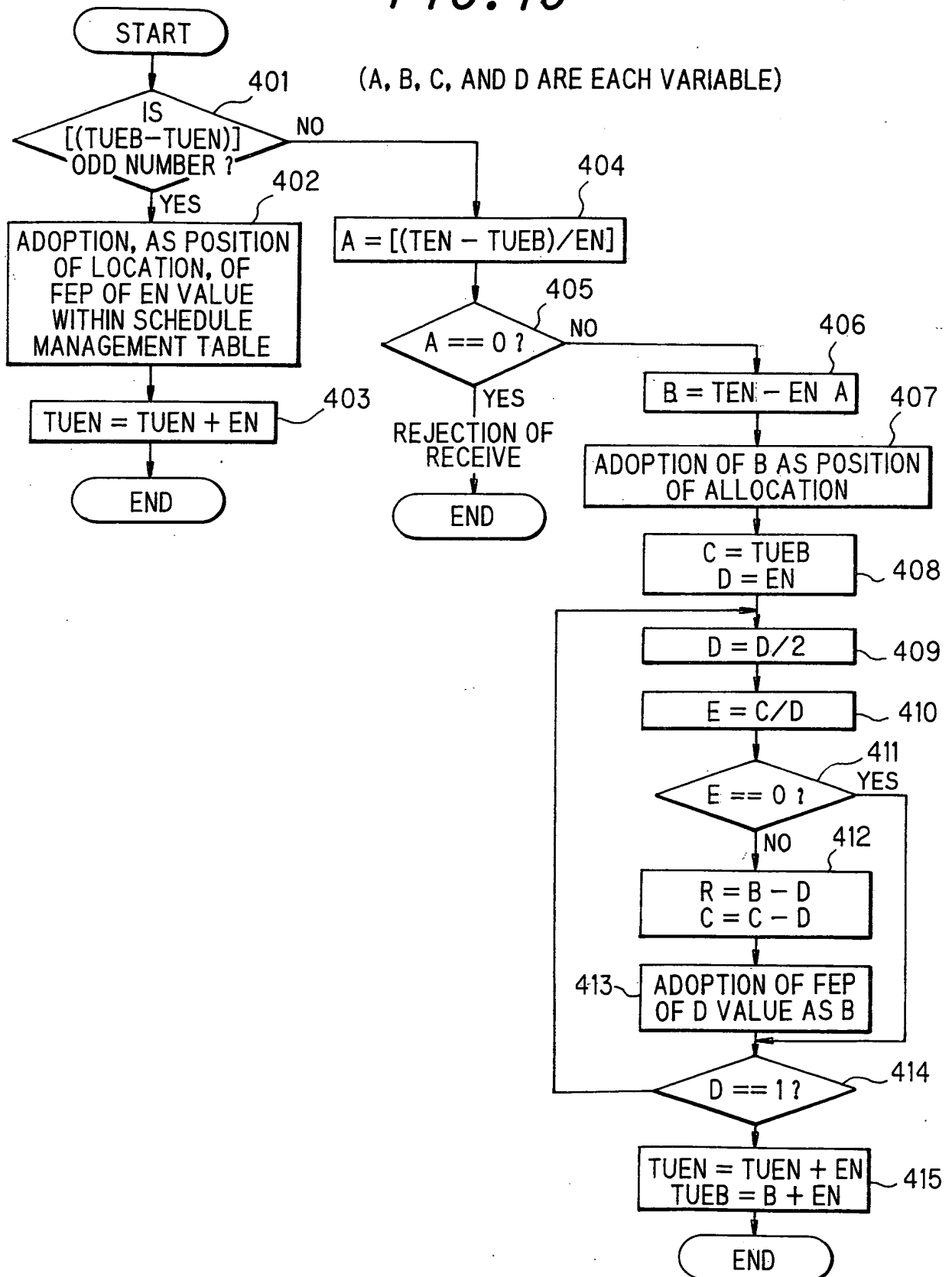
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FIG.9

EN	FEP
1	8
2	15
4	25
8	25

EN : TYPE OF PCR VALUE
FEP : OPTICAL POSITION WHERE LINE
IS NEWLY RECEIVED

FIG. 10



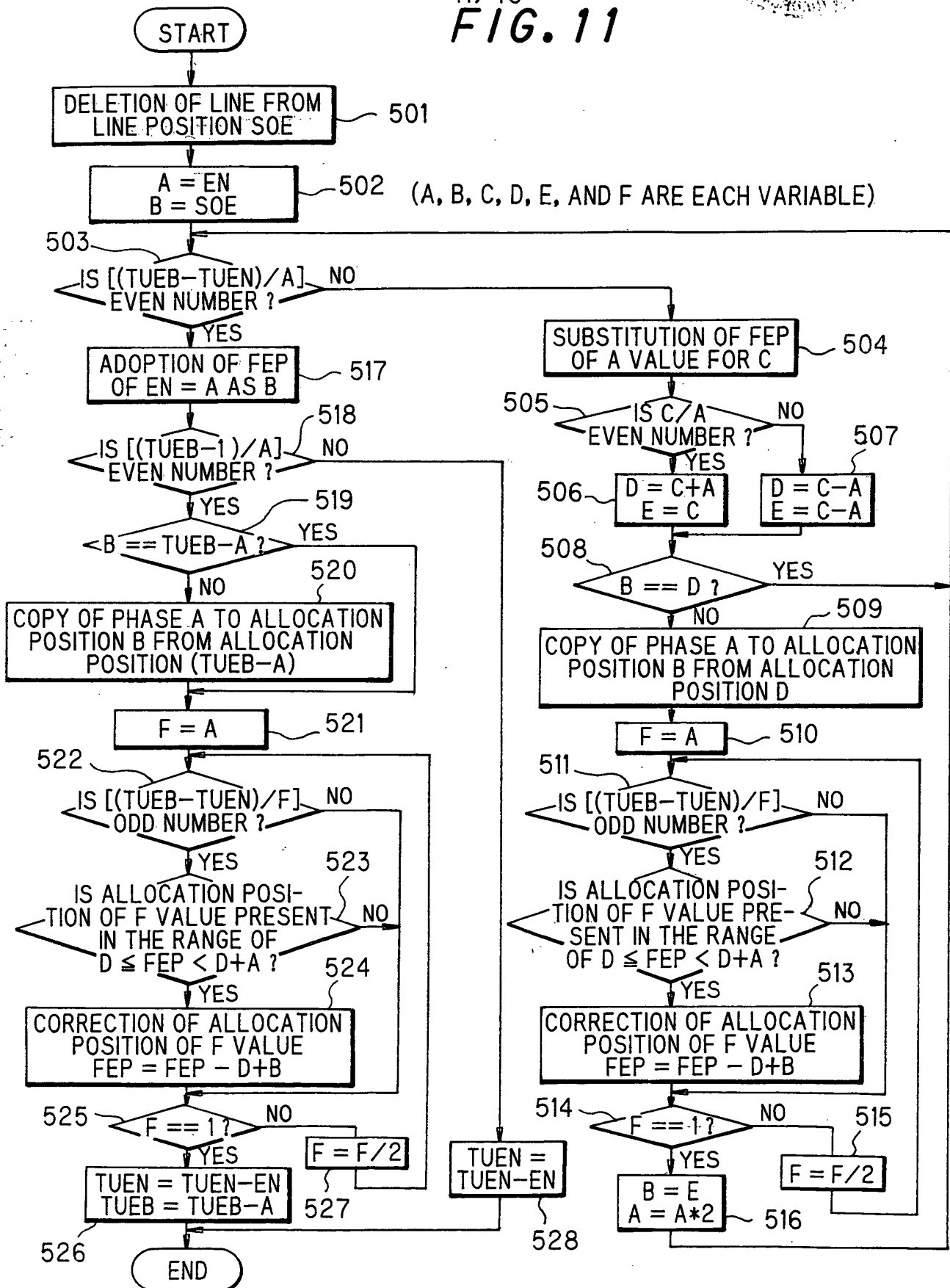


FIG. 12

SCHEDULING OF CELL READ SEQUENCE MANAGEMENT TABLE

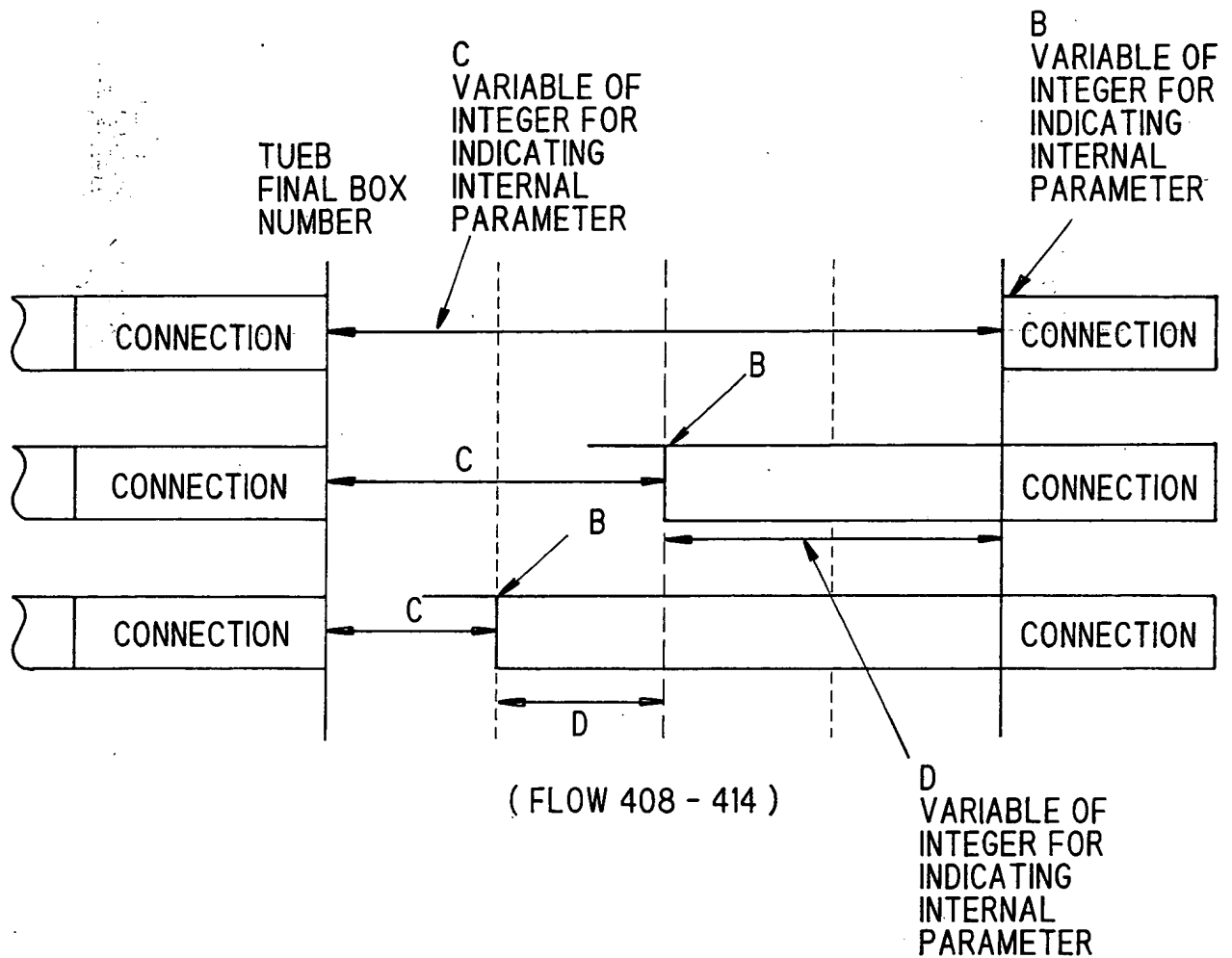


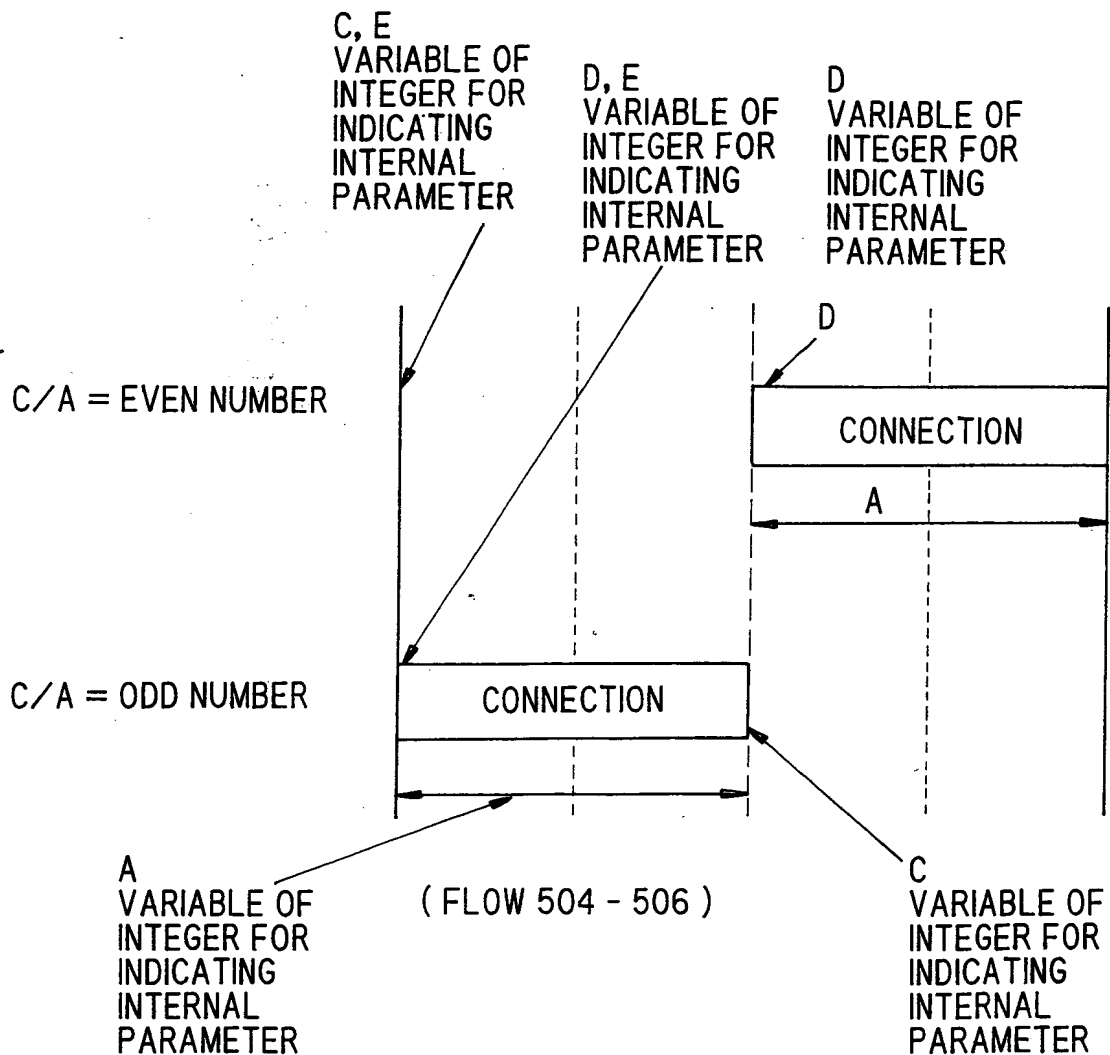
FIG. 13**SCHEDULING OF CELL READ SEQUENCE MANAGEMENT TABLE**

FIG. 14

SCHEDULING OF CELL READ SEQUENCE MANAGEMENT TABLE

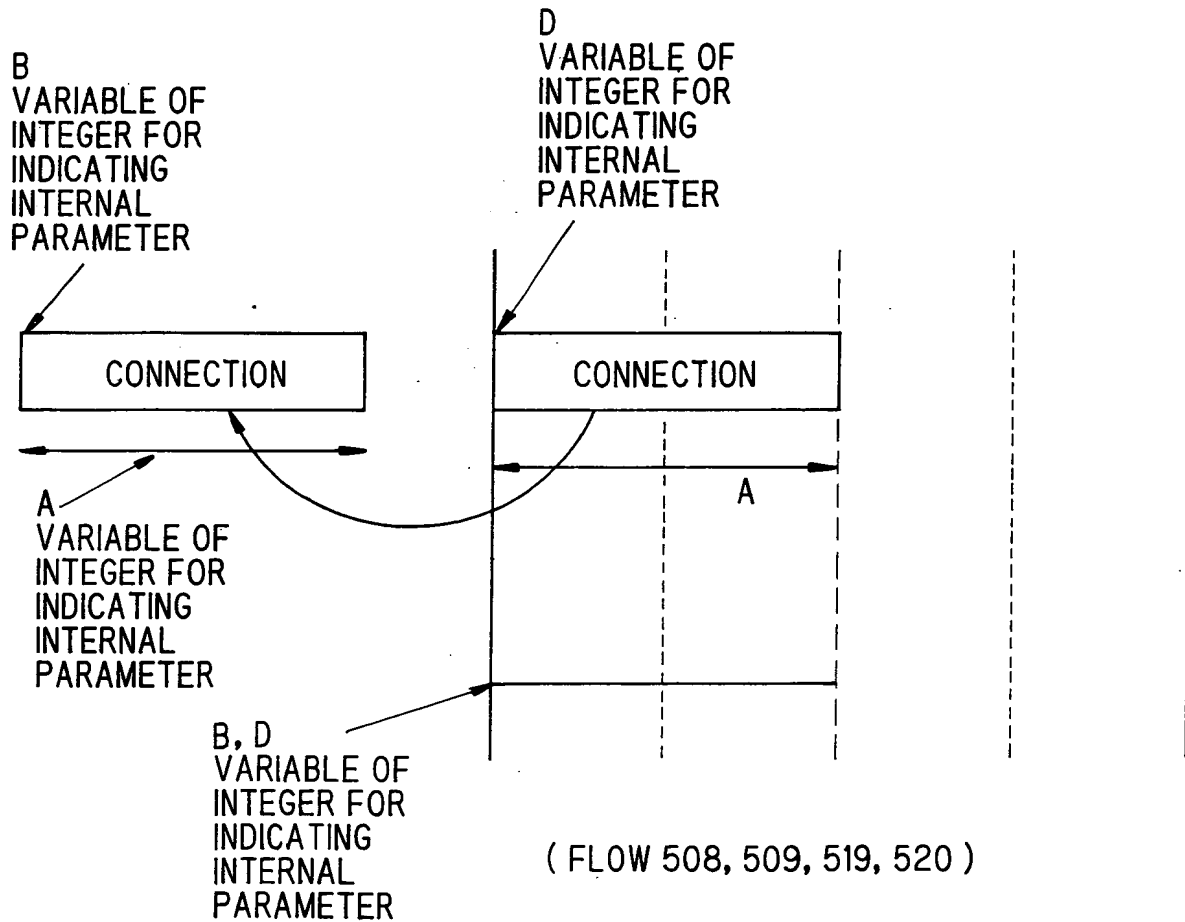


FIG. 15

SCHEDULING OF CELL READ SEQUENCE MANAGEMENT TABLE

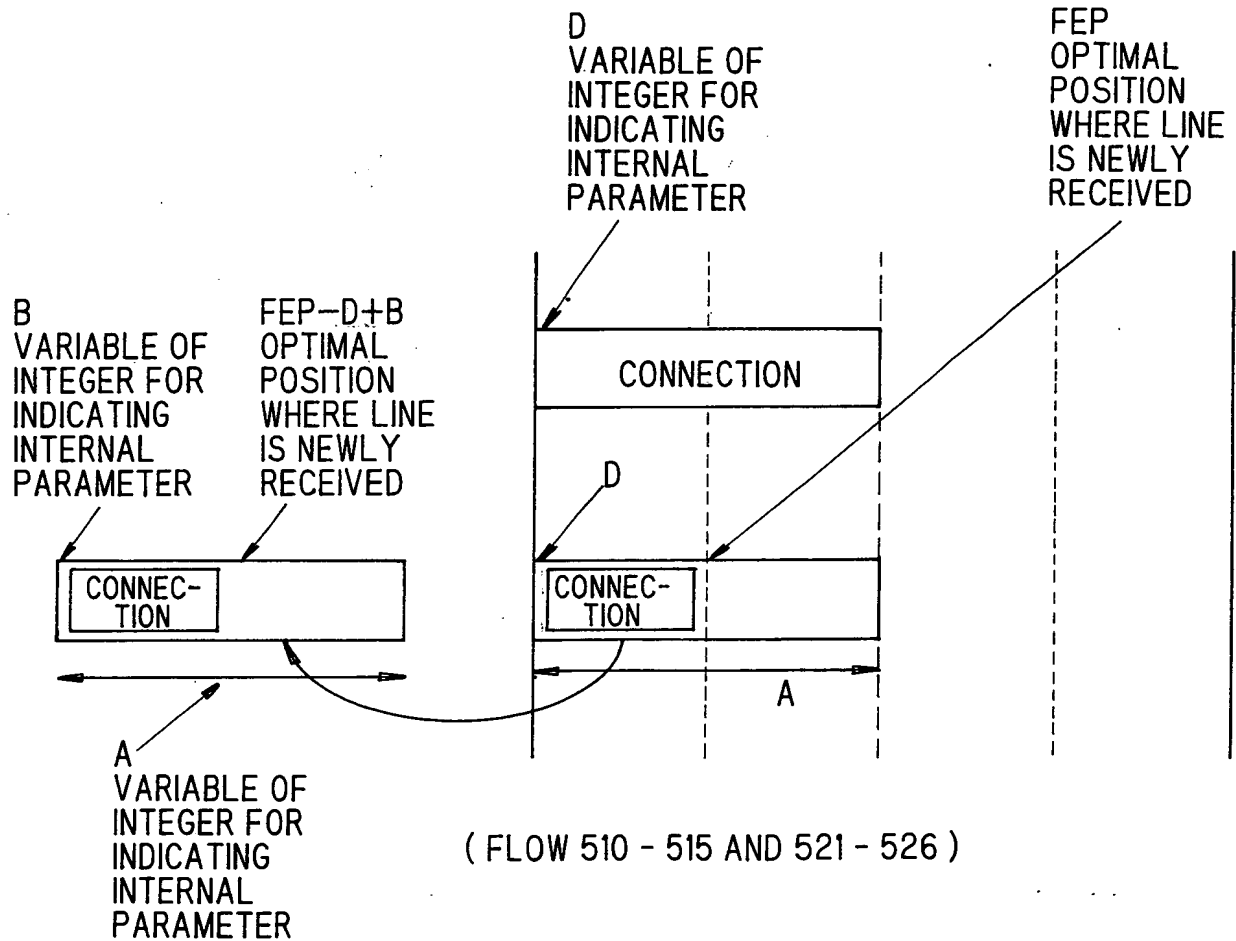


FIG. 16

